

IDC-B3,AMD,M

functionality modules such as a location detector, a flashlight circuit and a camera circuit.--

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13 IFW sent

~~On page 12, please amend the paragraph beginning at line 8 as follows:~~ IDC-B4,AMD,M

--The cover part is manufactured by the injection moulding technology which is also called the in mould ~~technology~~ technology or in mould decoration (IMD) technology. During the IMD process the electromechanical assembly is arranged to be an insert which is integrated into the cover part to compose an integrated combination which is detachable from the electronic device. To do this, as shown in figure 1a, a first mould 12 under the electromechanical assembly and a second mould 11 on top of the electromechanical assembly is needed. Between the moulds is fixed a cavity 15, 16 where the electromechanical assembly is arranged so that connecting means 5a, 5b are arranged to be located at the electrical contact points 5 between the printed wired foil 3 and the first mould 12 and/or between the printed foil 2 and the first mould 12 during the injection moulding. According an embodiment of the invention a printed foil 2 is arranged on top of the electromechanical assembly and the second mould 11 is set on top of the printed foil 2 so that the lower end of the first mould 12 and the printed foil 2 are engaged to each other, i.e. the cavity 15 above the electromechanical assembly disappears. The lower end of the second mould 11 is formed to follow a shape of an outer part of the electromechanical assembly. A supporting foil 6 is arranged to support the electromechanical assembly from bottom side 4, the support layer also comprising a light source (not shown) to be directed upwards (see figure 2). When the resin, e.g. engineering plastic, is injected through the hole 14 of the first mould 12 to the back of the electromechanical assembly to fill with plastics the cavity area 16. During the injection moulding process joints 18 between the printed foil 2 and the printed wired foil 3 will be melted together to form a sealed joint (see figure 3a). According to another embodiment of the invention the printed foil is a customized injection moulding (CIM)